

# ABSTRACT

The present invention relates to the discovery, identification and characterization of nucleic acids that  
5 encode a novel G protein coupled receptor (I5E) protein. The invention encompasses I5E nucleotides, host cell expression systems, I5E proteins, fusion proteins, polypeptides and peptides, antibodies to the receptor, transgenic animals that express an I5E transgene, or recombinant knock-out animals  
10 that do not express the I5E, antagonists and agonists of the receptor, and other compounds that modulate I5E gene expression or I5E activity that can be used for diagnosis, drug screening, clinical trial monitoring, and/or used to treat disorders such as inflammatory, central nervous system  
15 or gastrointestinal disorders.

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